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(54) SELF-EMULSIFIABLE PREPARATION FOR ORAL ADMINISTRATION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a preparation for oral administration excellent in emulsion stability free from oil separation capable of diffusing and self-emulsifying by throwing into drinking water and shaking a cup in administration due to stabilizing a pharmaceutical ingredient which is liable to be influenced from environmental variation especially water, by dispersing or dissolving in an oil base.

SOLUTION: The oil base for a diluting in time of use type oral administration comprises 20-50 wt.% based on whole preparation of fatty acid ester of glycerin and/or fatty acid ester of propylene glycol, 10-60 wt.% of a surfactant, 10-60 wt.% of a polar organic solvent and 0.1-30 wt.% of a medicinal ingredient, and the oil base rapidly diffuses and self-emulsifies in the case of throw into water.

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CLAIMS

[Claim(s)]
[Claim 1] the business which it is the pharmaceutical preparation which contains a surfactant for a glycerine fatty acid ester and/or propylene glycol fatty acid ester 20 to 50% of the weight, contains 10 - 60 % of the weight for a polar organic solvent ten to 60% of the weight to the whole pharmaceutical preparation as an oily basis, and contains a drug effect component 0.1 to 30% of the weight, an oily basis is promptly spread when it supplies to water, and is characterized by carrying out self-emulsification -- the time -- the self-emulsification pharmaceutical preparation for taking orally of a dilution mold.
[Claim 2] Self-emulsification pharmaceutical preparation for taking orally according to claim 1 which contains a surfactant for a glycerine fatty acid ester and/or propylene glycol fatty acid ester 25 to 45% of the weight, and contains 10 - 35 % of the weight, and a drug effect component for a polar organic solvent 0.1 to 20% of the weight 20 to 45% of the weight.
[Claim 3] claims 1-2 whose surfactants are nonionic surfactants and whose HLB is 7-18 -- pharmaceutical preparation given in either.
[Claim 4] claims 1-3 which contain sucrose fatty acid ester at least as a surfactant -- pharmaceutical preparation given in either.
[Claim 5] Pharmaceutical preparation according to claim 4 which contains sucrose fatty acid ester and polyoxyethylene sorbitan fatty acid ester as a surface active agent.
[Claim 6] claims 1-5 whose polar organic solvents are lower alcohol and/or polyhydric alcohol -- pharmaceutical preparation given in either.
[Claim 7] Pharmaceutical preparation according to claim 6 whose polar organic solvents are ethanol and/or propylene glycol.
[Claim 8] claims 1-7 which masked EGUMI and/or the smell of a surfactant by adding corrigent and/or an odor-masking agent as an assistant -- pharmaceutical preparation given in either.
[Claim 9] claims 1-8 whose drug effect components are sennoside -- pharmaceutical preparation given in either.
[Claim 10] claims 1-8 whose drug effect components are ascorbic acids -- pharmaceutical preparation given in either.